

Montana Fuels for Schools and Beyond  
Biomass User's Survey Results for 2009-2010 Heating Season

Facility	Bldg. Sq. Ft.	Install Date (yyyy.mm)	Boiler Heat Capacity (MMBTU)	Fuel Bin Capacity (Tons)	System Mfr.	Biomass Fuel Supplier	Type of Fuel Burned	Days on line	Daily Hours on O&M	Annual Biomass Usage (Tons)	Total MMBTUs	% of BTUs from Wood	Total Estimated Heaing Cost if 100% fossil fuel	Actual Heating Cost w/wood + fossil fuel	Estimated Savings	Percent Savings
Darby Public Schools	90,000	2003.03	3	40	Messersmith	Landowner/Jump Trucking	chips	300	0.33	850	9,760	94%	\$149,112.46	\$37,843.58	\$111,268.88	75%
Victor Public Schools	110,000	2004.01	4.9	25	Messersmith	Porterbilt Post and Pole	chips	245	0.25	338	N/A	N/A	N/A	N/A	N/A	N/A
Thompson Falls Public Schools	60,000	2005.01	1.6	4	Chiptec	Tricon Timber	chips	N/A	1	318	5,021	68%	\$77,504.22	\$45,801.00	\$31,703.22	41%
Philipsburg Public Schools	112,000	2005.01	5.1	75	Messersmith	Pfendler Post and Pole	chips	213	0.5	582	7,330	86%	\$77,107.39	\$37,218.00	\$39,889.39	52%
Glacier High School	253,000	2007.01	6	45	PES/SolaGen	Jump Truck	chips	253	2	603	8,435	77%	\$77,749.62	\$53,791.41	\$23,958.21	31%
U of Montana - Western	459,332	2007.02	12	45	Chiptec	Marks-Miller Post and Poles	chips	N/A	2	2,580	37,127	75%	\$386,281.00	\$217,861.00	\$168,420.00	44%
Townsend School District	58,500	2007.03	0.68	60	SolaGen	Eureka Pellet Mills	pellets	176	0.5	164	6,337	42%	\$102,847.63	\$80,405.00	\$22,442.63	22%
Troy Public Schools	33,235	2008.01	1	20	Decton	Eureka Pellet Mills	pellets	121	1	52	1,345	64%	\$21,983.84	\$15,276.00	\$6,707.84	31%
Eureka Public Schools	211,000	2007.11	5	50	Messersmith	Johnson Brothers	chips	240	1.25	646	13,489	52%	\$222,710.96	\$144,172.00	\$78,538.96	35%
Deer Lodge Central Park Center	3,800	2009.01	1.5	N/A	Messersmith	Sun Mountain Lumber	chips	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Totals	1,390,867									6,133	88,844		\$1,115,297.12	\$632,367.99	\$482,929.13	43%
Range-Low:	60,000		0.68	4				121	.25	52		42%			\$6,707.84	22%
Range-High:	459,332		12	75				300	2	2,580		94%			\$168,420.00	75%